AUTHOR INDEX OF VOLUME 66*

Belegundu, A.D. and S.D. Rajan, A shape optimization approach based on natural design variables and shape functions	(1) 87 – 106
Chen, YS., see Kim, SW.	(1) 45 - 63
Crisfield, M.A. and J. Wills, Solution strategies and softening materials	(3) 267 - 289
Crivelli, A.L., see Storti, M.	(1) $65 - 86$
Elishakoff, I. and I. Lottati, Divergence and flutter of nonconservative systems	
with intermediate support	(2) 241 $-$ 250
Elishakoff, I. and F. Pellegrini, Exact solutions for buckling of some divergence-type nonconservative systems in terms of Bessel and Lommel	(2) 211 230
functions	(1) 107 – 119
Friberg, O., A set of parameters for finite rotations and translations	(2) 163 – 171
Fung, KY., J. Tripp and B. Goble, Adaptive refinement with truncation error	
injection	(1) 1- 16
Goble, B., see Fung, KY.	(1) 1- 16
Greenspan, D., Particle modeling of cavity flow on a vector computer	(3) $291 - 299$
Guilard, H. and R. Peyret, On the use of spectral methods for the numerical	
solution of stiff problems	(1) 17 - 43
Hughes, T.J.R. and G.M. Hulbert, Space-time finite element methods for	
elastodynamics: Formulations and error estimates	(3) $339 - 363$
Hulbert, G.M., see Hughes, T.J.R.	(3) 339 $-$ 363
Idelsohn, S.R., see Storti, M.	(1) 65 - 86
Jacquotte, OP., A mechanical model for a new grid generation method in	
computational fluid dynamics	(3) 323 $-$ 338
Kant, T., see Pandya, B.N.	(2) 173 – 198
Kim, SW. and YS. Chen, A finite element computation of turbulent	
boundary layer flows with an algebraic stress turbulence model	(1) 45 - 63
Lakes, R.S., see Nakamura, S.	(3) 257 – 266
Lottati, I., see Elishakoff, I.	(2) 241 $-$ 250

^{*} The issue number is given in front of the page numbers.

Malkus, D.S. and X. Qiu, Division structure of finite element eigenproblems arising from negative and zero masses	(3) 365 – 368
Nakamura, S. and R.S. Lakes, Finite element analysis of stress concentration around a blunt crack in a Cosserat elastic solid	(3) 257 – 266
Ong, TG., G.I.N. Rozvany and WT. Szeto, Least-weight design of perforated elastic plates for given compliance: Nonzero Poisson's ratio	(3) 301 – 322
Pandya, B.N. and T. Kant, Flexural analysis of laminated composites using	
refined higher-order C^0 plate bending elements	(2) $173 - 198$
Pellegrini, F., see Elishakoff, I.	(1) 107 - 119
Peyret, R., see Guillard, H.	(1) 17 – 43
Qiu, X., see Malkus, D.S.	(3) 365 – 368
Rajan, S.D., see Belegundu, A.D.	(1) 87 – 106
Rozvany, G.I.N., see Ong, TG.	(3) 301 - 322
Simo, J.C. and L. Vu-Quoc, On the in space dynamics of finite-strain rods undergoing large motions — a geometrically exact approach	
formulation	(2) $199 - 229$
Simo, J.C. and L. Vu-Quoc, On the dynamics of finite-strain rods undergoing	
large motions - a geometrically exact approach	(2) $125 - 161$
Storti, M., A.L. Crivelli and S.R. Idelsohn, An efficient tangent scheme for	
solving phase-change problems	(1) $65 - 86$
Szeto, WT., see Ong, TG.	(3) 301 - 322
Tripp, J., see Fung, KY.	(1) 1- 16
Vahdani, B. and L.C. Wellford Jr., A singular perturbation-finite element	
procedure for the analysis of structures with a small bending rigidity	(2) $221 - 240$
Vu-Quoc, L., see Simo, J.C.	(2) 125 - 161
Wellford, L.C., see Vahdani, B.	(2) $221 - 240$
Wills, J., see Crisfield, M.A.	(3) $267 - 289$

SUBJECT INDEX OF VOLUME 66*

Coupled problems

On the use of spectral methods for the numerical solution of stiff problems, H. Guillard and R. Peyret	(1) 17- 43
Dynamics	
On the dynamics in space of finite-strain rods undergoing large motions - a	(A) 100 151
geometrically exact approach, J.C. Simo and L. Vu-Quoc	(2) 125 - 161
Divergence and flutter of nonconservative systems with intermediate support, I. Elishakoff and I. Lottati	(2) 241 250
	(2) 241 - 250
Particle modeling of cavity flow on a vector computer, D. Greenspan Space-time finite element methods for elastodynamics: Formulations and error	(3) $291 - 299$
estimates, T.J.R. Hughes and G.M. Hulbert	(3) 339 – 363
Division structure of finite element eigenproblems arising from negative and	(3) 339 – 303
zero masses, D.S. Malkus and X. Qiu	(3) 365 – 368
Elasticity	
A shape optimization approach based on natural design variables and shape	
functions, A.D. Belegundu and S.D. Rajan	(1) 87 - 106
Exact solutions for buckling of some divergence-type nonconservative systems	(1) 01 100
in terms of Bessel and Lommel functions, I. Elishakoff and F. Pellegrini	(1) 107 - 119
Flexural analysis of laminated composites using refined higher-order C^0 plate	(-)
bending elements, B.N. Pandya and T. Kant	(2) $173 - 198$
A singular perturbation-finite element procedure for the analysis of structures	(-)
with a small bending rigidity, B. Vahdani and L.C. Wellford, Jr.	(2) $221 - 240$
Divergence and flutter of nonconservative systems with intermediate support,	
I. Elishakoff and I. Lottati	(2) $241 - 250$
Finite element analysis of stress concentration around a blunt crack in a	
Cosserat elastic solid, S. Nakamura and R.S. Lakes	(3) $257 - 266$
	(3) 231 200
Least-weight design of perforated elastic plates for given compliance: Nonzero	(3) 231 200

^{*} The issue number is given in front of the page numbers.

Finite difference methods

- Adaptive refinement with truncation error injection, K.Y. Fung, J. Tripp and B. Goble
- Particle modeling of cavity flow on a vector computer, D. Greenspan

 (3) 291-299

 Space-time finite element methods for elastodynamics: Formulations and error estimates, T.J.R. Hughes and G.M. Hulbert

 (3) 391-299

 (3) 393-363

Finite element and matrix methods

- A finite element computation of turbulent boundary layer flows with an algebraic stress turbulence model, S.-W. Kim and Y.-S. Chen

 (1) 45 63
- An efficient tangent scheme for solving phase-change problems, M. Storti, A.L. Crivelli and S.R. Idelsohn (1) 65 – 86
- On the dynamics in space of finite-strain rods undergoing large motions a geometrically exact approach, J.C. Simo and L. Vu-Quoc (2) 125 161
- Flexural analysis of laminated composites using refined higher-order C^0 plate bending elements, B.N. Pandya and T. Kant (2) 173 198
- A singular perturbation-finite element procedure for the analysis of structures with a small bending rigidity R. Vahdani and L.C. Wellford, Ir.
- with a small bending rigidity, B. Vahdani and L.C. Wellford, Jr. Finite element analysis of stress concentration around a blunt crack in a
- Cosserat elastic solid, S. Nakamura and R.S. Lakes Division structure of finite element eigenproblems arising from negative and zero masses, D.S. Malkus and X. Qiu
- zero masses, D.S. Malkus and X. Qiu

 (3) 365 368
 Solution strategies and softening materials, M.A. Crisfield and J. Wills

 (3) 267 289

Fluid mechanics

- Adaptive refinement with truncation error injection, K.-Y. Fung, J. Tripp and B. Goble
- On the use of spectral methods for the numerical solution of stiff problems, H. Guillard and R. Peyret
- A finite element computation of turbulent boundary layer flows with an algebraic stress turbulence model, S.-W. Kim and Y.-S. Chen
- Particle modeling of cavity flow on a vector computer, D. Greenspan A mechanical model for a new grid generation method in computational fluid
- Fracture mechanics

dynamics, O.-P. Jacquotte

- Finite element analysis of stress concentration around a blunt crack in a Cosserat elastic solid, S. Nakamura and R.S. Lakes
- (3) 257 266

(1) 1 - 16

(2) 221 - 240

(3) 257 - 266

(1) 1 - 16

(1) 17 - 43

(1) 45 - 63

(3) 291 - 299

(3) 323 - 338

Heat and diffusion

- An efficient tangent scheme for solving phase-change problems, M. Storti, A.L. Crivelli and S.R. Idelsohn
- (1) 65 86

Kinematics

- A set of parameters for finite rotations and translations, O. Friberg
- (2) 163 171

Nonconservative loads

- Exact solutions for buckling of some divergence-type nonconservative systems in terms of Bessel and Lommel functions, I. Elishakoff and F. Pellegrini
- (1) 107 119
- Divergence and flutter of nonconservative systems with intermediate support, I. Elishakoff and I. Lottati
- (2) 241 250

Nonlinear mechanics

- Exact solutions for buckling of some divergence-type nonconservative systems in terms of Bessel and Lommel functions, I. Elishakoff and F. Pellegrini
- (1) 107 119
- Divergence and flutter of nonconservative systems with intermediate support, I. Elishakoff and I. Lottati
- (2) 241 250
- Solution strategies and softening materials, M.A. Crisfield and J. Wills
- (3) 267 289

Numerical solution procedures

- On the use of spectral methods for the numerical solution of stiff problems, H. Guillard and R. Peyret
- (1) 17 43
- Solution strategies and softening materials, M.A. Crisfield and J. Wills
- (3) 267 289
- A mechanical model for a new grid generation method in computational fluid dynamics, O.-P. Jacquotte
- (3) 323 338

Optimization

- A shape optimization approach based on natural design variables and shape functions, A.D. Belegundu and S.D. Rajan
- (1) 87 106
- Least-weight design of perforated elastic plates for given compliance: Nonzero Poisson's ratio, T.-G. Ong, G.I.N. Rozvany and W.-T. Szeto
- (3) 301 322

Phase changes

- An efficient tangent scheme for solving phase-change problems, M. Storti, A.L. Crivelli and S.R. Idelsohn
- (1) 65 86

Plasticity

- A framework for finite strain elastoplasticity based on maximum plastic dissipation and the multiplicative decomposition: Part I. Continuum formulation, J.C. Simo
- (2) 199 219

Shells and plates

- Flexural analysis of laminated composites using refined higher-order C^0 plate bending elements, B.N. Pandya and T. Kant
- (2) 173 198
- A singular perturbation-finite element procedure for the analysis of structures with a small bending rigidity, B. Vahdani and L.C. Wellford Jr.
- (2) 221 240
- Least-weight design of perforated elastic plates for given compliance: Nonzero Poisson's ratio, T.-G. Ong, G.I.N. Rozvany and W.-T. Szeto
- (3) 301 322

Singularity methods

- A singular perturbation-finite element procedure for the analysis of structures with a small bending rigidity, B. Vahdani and L.C. Wellford Jr.
- (2) 221 240

Stability in structural mechanics

- Exact solutions for buckling of some divergence-type nonconservative systems in terms of Bessel and Lommel functions, I. Elishakoff and F. Pellegrini
- (1) 107 119
- Divergence and flutter of nonconservative systems with intermediate support, I. Elishakoff and I. Lottati
- (2) 241 250

Structural mechanics

- A shape optimization approach based on natural design variables and shape functions, A.D. Belegundu and S.D. Rajan
- (1) 87 106
- On the dynamics in space of finite-strain rods undergoing large motions a geometrically exact approach, J.C. Simo and L. Vu-Quoc
- (2) 125 161
- Flexural analysis of laminated composites using refined higher-order C^0 plate bending elements, B.N. Pandya and T. Kant
- (2) 173 198
- A singular perturbation-finite element procedure for the analysis of structures with a small bending rigidity, B. Vahdani and L.C. Wellford Jr. Solution strategies and softening materials, M.A. Crisfield and J. Wills
- (2) 221 240 (3) 267 – 289

- Viscous flow
- A finite element computation of turbulent boundary layer flows with an algebraic stress turbulence model, S.-W. Kim and Y.-S. Chen
- (1) 45 63

